

| Aeronautics Educator Guide                         |       |                       |  |
|--|-------|-----------------------|--|
| 2006 Science                                       |       |                       |  |
| Grade Level and Grade Span Expectations            |       |                       |  |
| Rhode Island Science                               |       |                       |  |
| Grades K-2   |       |                       |  |
| Activity/Lesson                                    | State | Standards             |  |
| Air Engines (12-16)                                | RI    | SCI.K-2.ESS1 (K-2)–1b | recording observations/data about physical properties.   |
| Air Engines (12-16)                                | RI    | SCI.K-2.PS1 (K-2)–1b  | recording observations/data about physical properties.   |
| Dunked Napkin ( 17-22)                             | RI    | SCI.K-2.PS3 (K-2)–7b  | predicting the direction an object will or will not move if a force is applied to it.  |
| Paper Bag Mask (23-28)                             | RI    | SCI.K-2.PS3 (K-2)–7b  | predicting the direction an object will or will not move if a force is applied to it.  |
| Wind in Your Socks) (29-35)                        | RI    | SCI.K-2.ESS1 (K-2)–1b | recording observations/data about physical properties.   |
| Wind in Your Socks) (29-35)                        | RI    | SCI.K-2.ESS 1(K-2)–3a | using scientific tools to extend senses and gather data about weather (e.g., weather/wind vane: direction; wind sock: wind intensity; anemometer: speed; thermometer: temperature; meter sticks/rulers: snow depth; rain gauges: rain amount in inches). |
| Wind in Your Socks) (29-35)                        | RI    | SCI.K-2.PS1 (K-2)–1b  | recording observations/data about physical properties.   |
| Air: Interdisciplinary Learning Activities (36-39) | RI    | SCI.K-2.ESS 1(K-2)–3a | using scientific tools to extend senses and gather data about weather (e.g., weather/wind vane: direction; wind sock: wind intensity; anemometer: speed; thermometer: temperature; meter sticks/rulers: snow depth; rain gauges: rain amount in inches). |
| Air: Interdisciplinary Learning Activities (36-39) | RI    | SCI.K-2.ESS1 (K-2)–5b | observe how clouds are related to forms of precipitation (e.g., rain, sleet, snow).  |
| Sled Kite (44-51)                                  | RI    | SCI.K-2.ESS1 (K-2)–1b | recording observations/data about physical properties.   |
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| Grades 3-4   |       |                       |  |
| Activity/Lesson                                    | State | Standards             |  |
| Air Engines (12-16)                                | RI    | SCI.3-4.ESS1 (3-4)–1b | recording and analyzing observations/data about physical properties (e.g., within a grouping, which characteristics are the same and which are different).   |
| Air Engines (12-16)                                | RI    | SCI.3-4.ESS1 (3-4)–5a | observing, recording, comparing, and analyzing weather data to describe weather changes or weather patterns.   |
| Air Engines (12-16)                                | RI    | SCI.3-4.PS3 (3-4)–7b  | describing change in position relative to other objects or background.   |

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| We Can Fly, You and I: Interdisciplinary Learning (107-108) | RI | SCI.3-4.ESS1 (3-4)–5a | observing, recording, comparing, and analyzing weather data to describe weather changes or weather patterns.   |
| Paper Bag Mask (23-28)                                      | RI | SCI.3-4.PS1 (3-4)–2b  | predicting the direction and describing the motion of objects (of different weights, shapes, sizes, etc.) if a force is applied to it.                   |
| Wind in Your Socks) (29-35)                                 | RI | SCI.3-4.ESS1 (3-4)–5a | recording and analyzing observations/data about external features (e.g., within a grouping, which characteristics are the same and which are different). |